



Inventor: Keyt et al.
Docket No.: 11669.0165US01
Title: VARIANTS OF VASCULAR ENDOTHELIAL CELL GROWTH FACTOR HAVING
ANTAGONISTIC PROPERTIES
Serial No.: 09/734,443
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FIG. 1A

1 CAGTGTGCTG CGGGCCCGGC GCGAGCCGGC CCGGCCCCGG TCGGGCCTCC
-26

GAAACC ATG AAC TTT CTG CTG TCT TGG GTG CAT TGG AGC
M N F L L S W V H W S
-26 -20

90 CTC GCC TTG CTG CTC TAC CTC CAC CAT GCC AAG TGG TCC CAG
-15 L A L L Y L H H A K W S Q
-10

GCT | GCA CCC ATG GCA GAA GGA GGA GGG CAG AAT CAT CAC
A A P M A E G G G Q N H H
-1 +1 +5 +10

171 GAA GTG GTG AAG TTC ATG GAT GTC TAT CAG CGC AGC TAC TGC
13 E V V K F M D V Y Q R S Y C
+15 +20 +25 +26

CAT CCA ATC GAG ACC CTG GTG GAC ATC TTC CAG GAG TAC
H P I E T L V D I F Q E Y
+30 +35

252 CCT GAT GAG ATC GAG TAC ATC TTC AAG CCA TCC TGT GTG CCC
40 P D E I E Y I F K P S C V P
+40 +45 +50 +51

CTG ATG CGA TGC GGG GGC TGC TGC AAT GAC GAG GGC CTG
L M R C G G C C N D E G L
+55 +57 +60 +61 +65

333 GAG TGT GTG CCC ACT GAG GAG TCC AAC ATC ACC ATG CAG ATT
67 E C V P T E E S N I T M Q I
+68 +70 +75 +80

ATG CGG ATC AAA CCT CAC CAA GGC CAG CAC ATA GGA GAG
M R I K P H Q G Q H I G E
+85 +90

414 ATG AGC TTC CTA CAG CAC AAC AAA TGT GAA TGC AGA CCA AAG
94 M S F L Q H N K C E C R P K
+95 +100 +102 +104 +105

AAA GAT AGA GCA AGA CAA GAA AAT CCC TGT GGG CCT TGC
K D R A R Q E N P C G P C
+110 +115 +117 +120

495 TCA GAG CGG AGA AAG CAT TTG TTT GTA CAA GAT CCG CAG ACG
121 S E R R K H L F V Q D P Q T
+125 +130

TGT AAA TGT TCC TGC AAA AAC ACA GAC TCG CGT TGC AAG
C K C S C K N T D S R C K
+135 +137 +139 +140 +145 +146



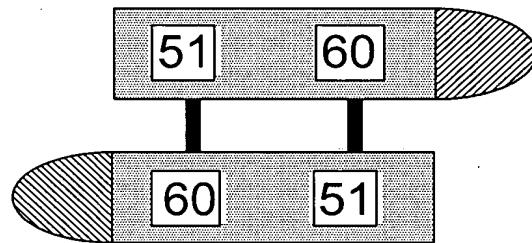
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FIG. 1B

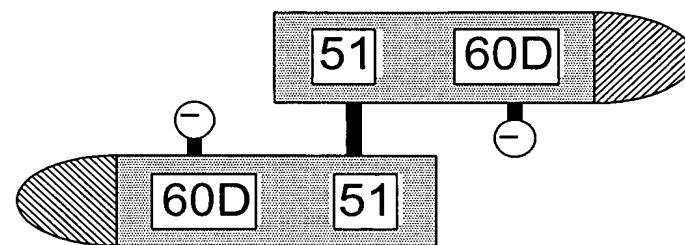


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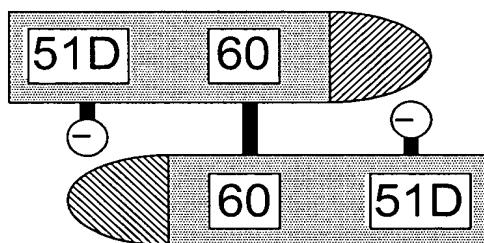
FIG. 2



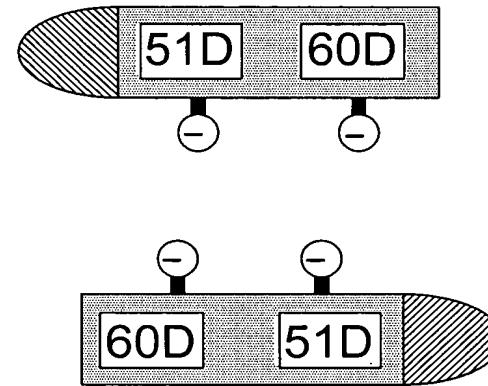
Native VEGF



C60D VEGF



C51D VEGF

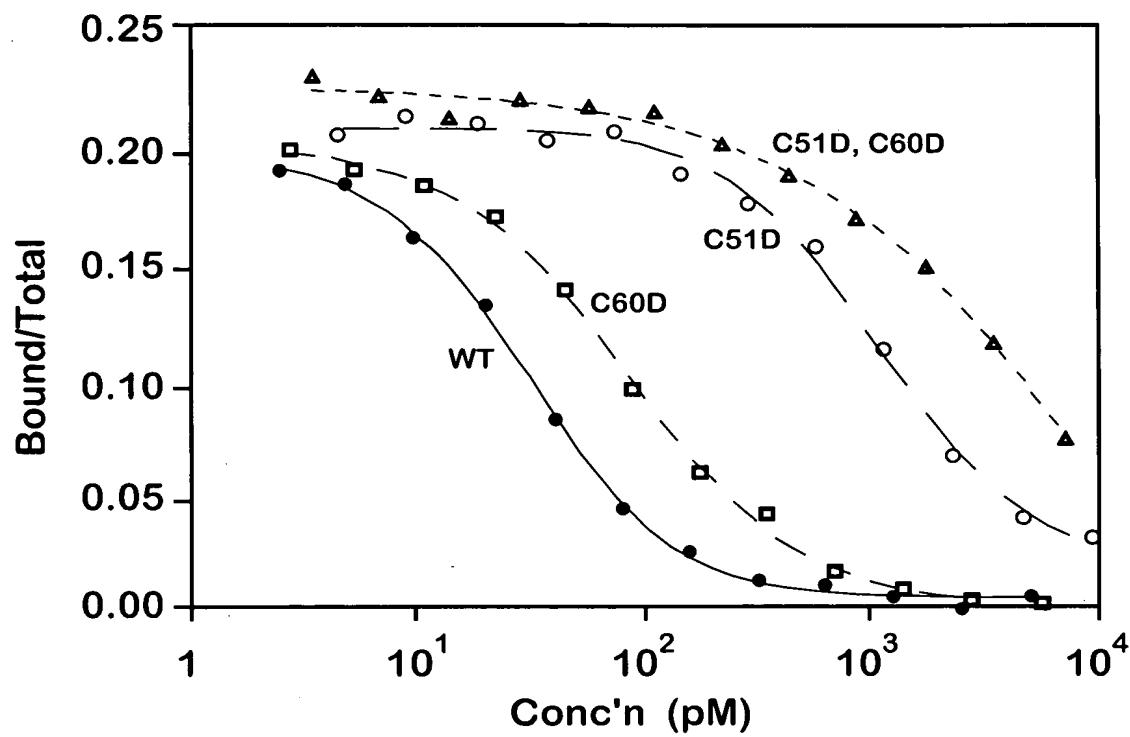


C51D, C60D



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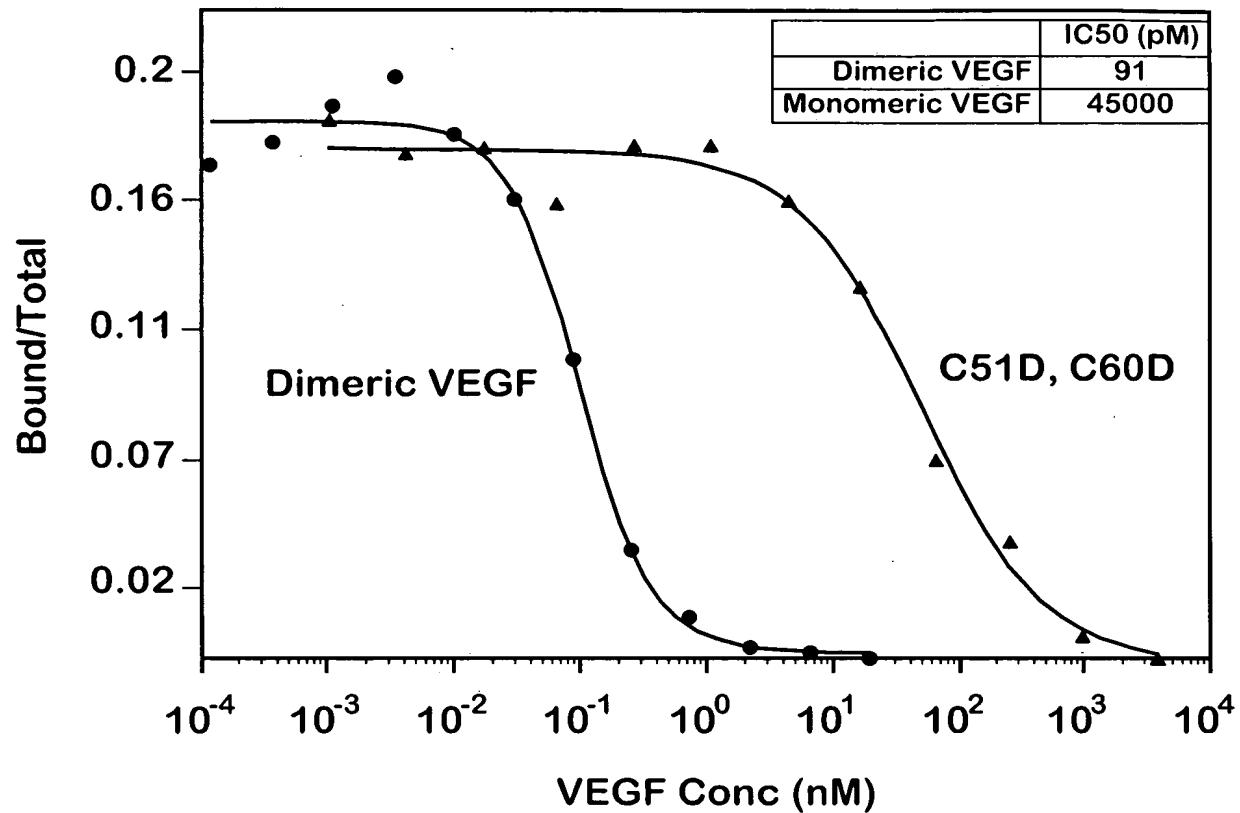
FIG. 3





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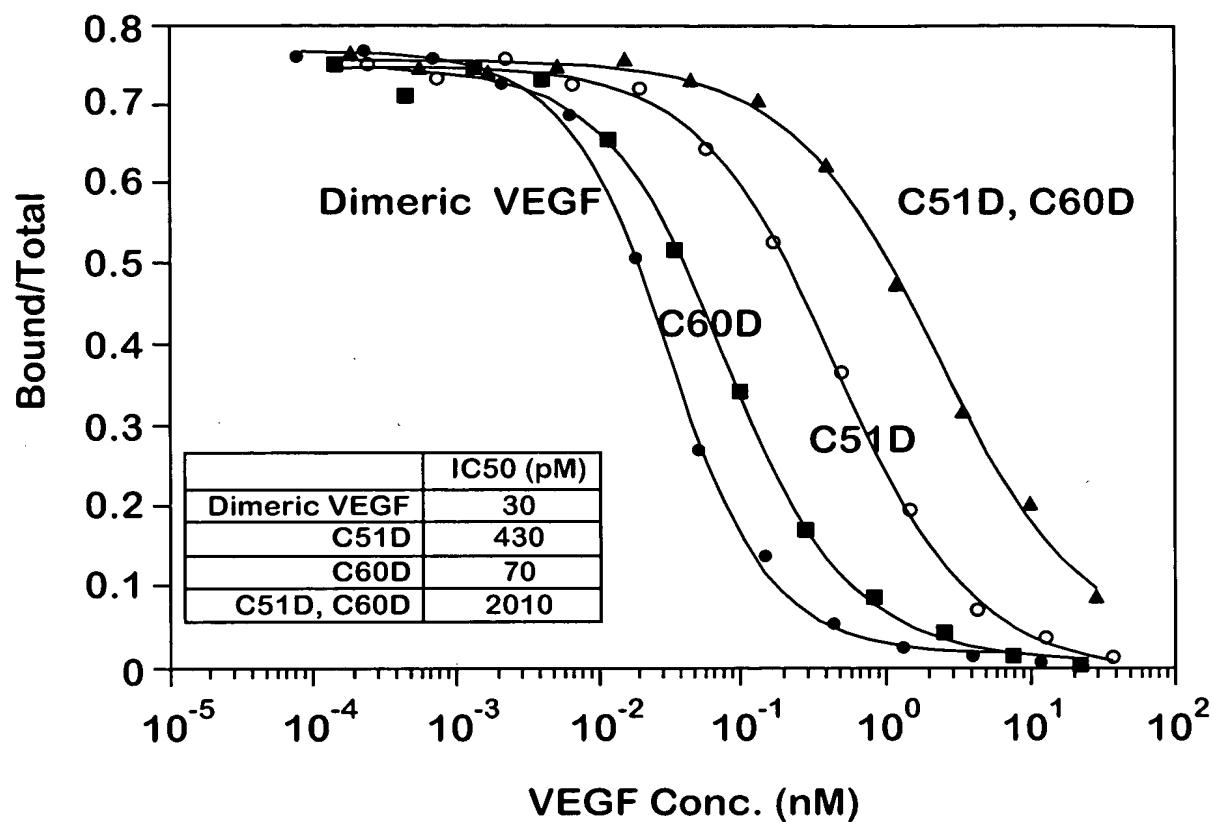
FIG. 4





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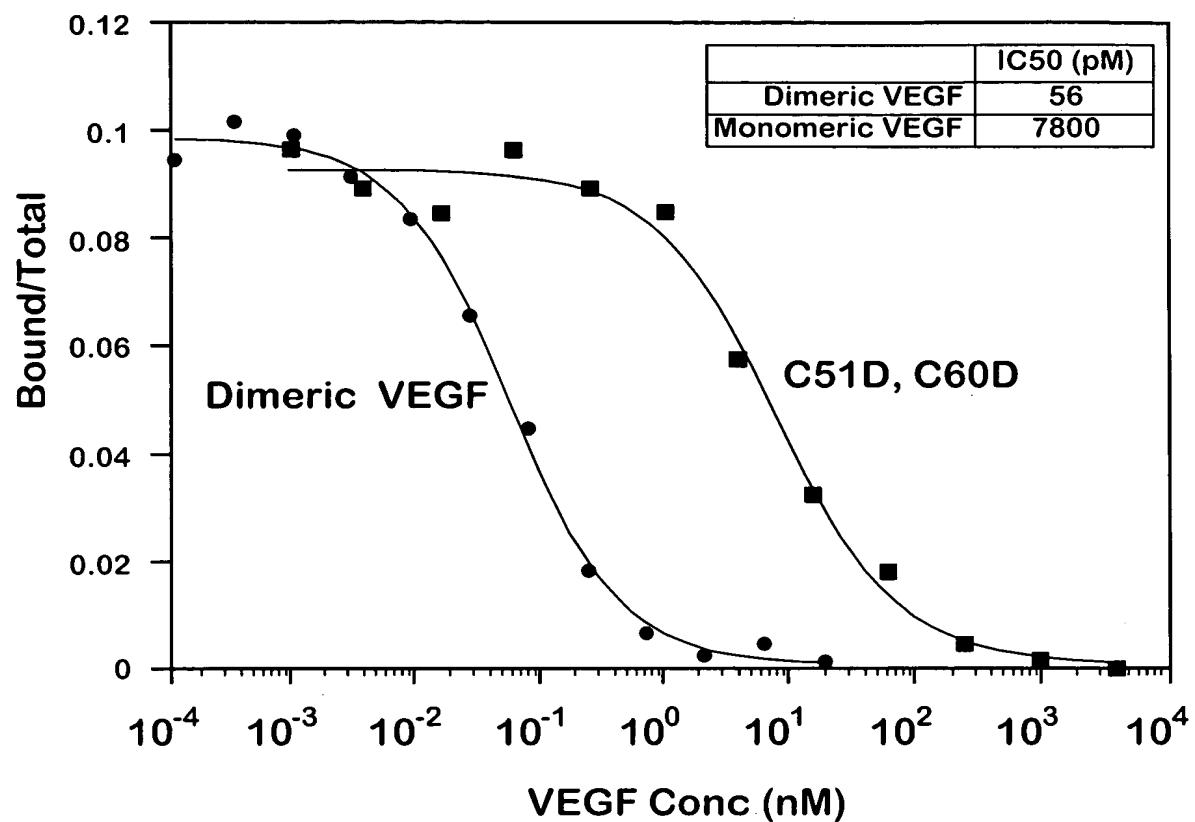
FIG. 5





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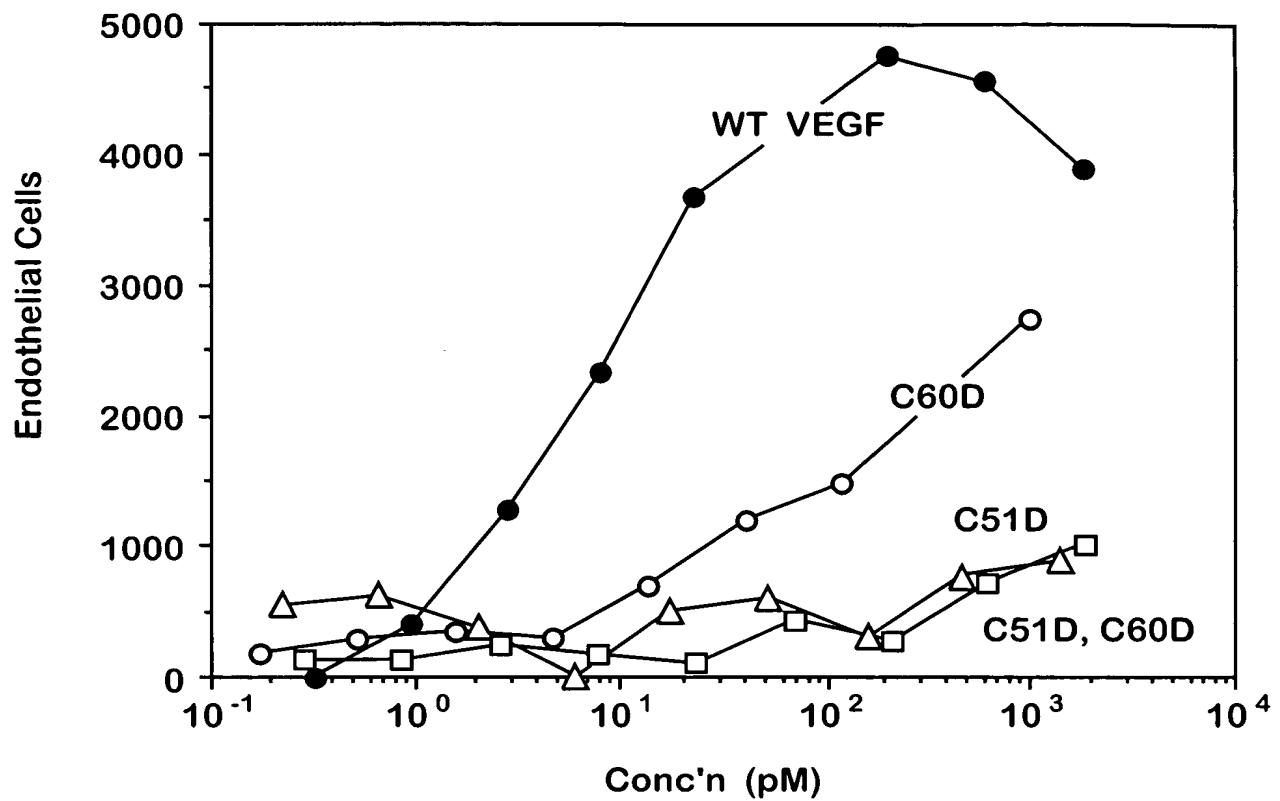
FIG. 6

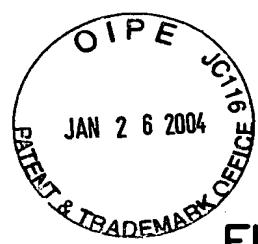




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FIG. 7





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FIG.8

